

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.4640001	APPLICATION NO. 09/438,358
	APPLICANT Gerard <i>et al.</i>	
	FILING DATE November 12, 1999	GROUP 1636

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AA2	AA1	4,673,640	06/16/1987	Backman, K.C.	435	69.1	04/30/1984
	AB1	4,743,546	05/10/1998	Backman <i>et al.</i>	435	108	02/13/1985
	AC1	4,959,317	09/25/1990	Sauer B.L.	435	172.3462	04/29/1987
	AD1	5,227,288	07/13/1993	Blattner, F.R.	435	6	10/01/1990
	AE1	5,354,668	10/11/1994	Auerbach, J.I.	435	91.1	10/15/1993
	AF1	5,434,066	07/18/1995	Bebbee, R.L., <i>et al.</i>	435	172.3475	03/15/1994
	AG1	5,470,727	11/28/1995	Mascarenhas <i>et al.</i>	435	172.3	12/21/1993
	AH1	5,591,609	01/07/1997	Auerbach, J.I.	435	91.2	02/03/1995
	AI1	5,614,389	03/25/1997	Auerbach, J.I.	435	91.2	09/26/1995
	AJ1	5,635,381	06/03/1997	Hooykaas <i>et al.</i>	435	172.3	01/20/1995
AK2	AK1	5,658,772	08/19/1997	Odell <i>et al.</i>	435	172.3 288	07/27/1994

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AA2	AL1	EP 0 160 571 A2	11/06/1985	Europe	/	/	Yes No
AA2	AM1	EP 0 300 422	01/25/1989	Europe	/	/	Yes No
AA2	AN1	WO 91/02801	03/07/1991	WFO PCT	/	/	Yes No
AA2	AO1	WO 91/16427	10/31/1991	WFO PCT	/	/	Yes No
AA2	AP1	WO 92/20791	11/26/1992	WFO PCT	/	/	Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AA2	AR	1	Abremski, K., and Gottesman, S., "Purification of the Bacteriophage λ <i>xis</i> Gene Product Required for λ Excisive Recombination," <i>J. Biol. Chem.</i> 257(16):9658-9662 (1982).
AA2	AS	1	Abremski, K., and Hoess, R., "Bacteriophage P1 Site-specific Recombination - Purification and Properties of the Cre Recombinase Protein," <i>J. Biol. Chem.</i> 259:1509-1514 (1984).
	AT	1	Abremski, K., <i>et al.</i> , "Bacteriophage P1 Cre- <i>loxP</i> Site-specific Recombination: Site-specific DNA Topoisomerase Activity of the Cre Recombination Protein," <i>J. Biol. Chem.</i> 261(1):391-396 (1986).

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Donald B. H. H.

DATE CONSIDERED

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AA2	AA2	5,677,170	10/14/1997	Devine <i>et al.</i>	435	20.1	03/02/1994
	AB2	5,677,177	10/14/1997	Wahl <i>et al.</i>	435	325	06/07/1995
	AC2	5,710,248	01/20/1998	Grose, C.F.	530	327	07/29/1996
	AD2	5,723,765	03/03/1998	Oliver <i>et al.</i>	800	208	06/07/1995
	AE2	5,733,733	03/31/1998	Auerbach, J.I.	435	6	02/01/1996
	AF2	5,733,743	03/31/1998	Johnson <i>et al.</i>	435	320.1	06/10/1996
	AG2	5,744,336	04/28/1998	Hodges <i>et al.</i>	435	172.3 320.1	03/08/1996
	AH2	5,766,891	06/16/1998	Shuman, S.	435	91.41	12/19/1994
	AI2	5,776,449	07/07/1998	Baum <i>et al.</i>	424	93.2	09/20/1996
	AJ2	5,830,707	11/03/1998	Bushman, F.D.	435	69.7	06/05/1995
AA2	AK2	5,837,242	11/17/1998	Holliger <i>et al.</i>	424	136.1	05/14/1996

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AA2	AL2	WO 93/15191	08/05/1993	WFO PCT	/	/	Yes No
AA2	AM2	WO 93/19172	09/30/1993	WFO PCT	/	/	Yes No
AA2	AN2	CA 2,141,412	02/17/1994	Canada			Yes No
AA2	AO2	WO 94/17176	08/04/1994	WFO PCT	/	/	Yes No
AA2	AP2	WO 97/06265	02/20/1997	WFO PCT	/	/	Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AA2	AR	2	Abremski, K., <i>et al.</i> , "Studies on the Properties of P1 Site-Specific Recombination: Evidence for Topologically Unlinked Products Following Recombination," <i>Cell</i> 32:1301-1311 (1993).
AA2	AS	2	Adams, D. E., <i>et al.</i> , "Cre-lox Recombination in <i>Escherichia coli</i> Cells: Mechanistic Differences from the <i>in Vitro</i> Reaction," <i>J. Mol. Biol.</i> 226:661-673 (1992).
AA2	AT	2	Andrews, B.J., <i>et al.</i> , "The FLP Recombinase of the 2 μ Circle DNA of Yeast: Interaction with Its Target Sequences," <i>Cell</i> 40:795-803 (1985).

EXAMINER	DATE CONSIDERED 11-7-00
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AA2	AA3	5,843,772	12/01/1998	Devine, S.E., <i>et al.</i>	435	69.1	11/18/1994
	AB3	5,851,808	12/22/1998	Elledge <i>et al.</i>	435	172.391.4	02/28/1997
	AC3	5,858,657	01/12/1999	Winter <i>et al.</i>	435	6	06/07/1995
	AD3	5,871,907	02/16/1999	Winter <i>et al.</i>	435	6	03/31/1994
	AE3	5,874,259	02/23/1999	Szybalski, W.	435	91.1	11/21/1997
	AF3	5,888,732	03/30/1999	Hartley <i>et al.</i>	435	6	06/07/1996
	AG3	5,916,804	06/29/1999	Bushman, F.D.	435	325	04/17/1998
	AH3	5,919,676	07/06/1999	Graham <i>et al.</i>	435	172.391.4	06/07/1995
	AI3	5,928,914	07/27/1999	Leboulch <i>et al.</i>	435	172.3456	11/05/1996
	AJ3	5,989,872	11/22/1999	Luo <i>et al.</i>	435	91.2	08/12/1997
AA2	AK3	6,010,884	01/04/2000	Griffiths <i>et al.</i>	435	69.7	05/29/1996

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AA2	AL3	WO 97/09436	03/13/1997	WFO PCT			Yes No
AA2	AM3	WO 97/25446	07/17/1997	WFO PCT			Yes No
AA2	AN3	WO 97/32481	09/12/1997	WFO PCT			Yes No
AA2	AO3	WO 98/10086	03/12/1998	WFO PCT			Yes No
AA2	AP3	WO 99/10488	03/04/1999	WFO PCT			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AA2	AR	3	Andrews, B.J., <i>et al.</i> , "Interaction of the FLP Recombinase of the <i>Saccharomyces cerevisiae</i> 2 μ Plasmid with Mutated Target Sequences," <i>Mol. Cell. Biol.</i> 6:2482-2489 (1986).
AA2	AS	3	Anton, M., and Graham, F.L., "Site-Specific Recombination Mediated by an Adenovirus Vector Expressing the Cre Recombinase Protein: a Molecular Switch for Control of Gene Expression," <i>J. Virol.</i> 69:4600-4606 (1995).
AA2	AT	3	Araki, H., <i>et al.</i> , "Site-specific Recombinase, R, Encoded by Yeast Plasmid pSR1," <i>J. Mol. Biol.</i> 225:25-37 (1992).

EXAMINER	DATE CONSIDERED
<i>Donald R. Hoff</i>	11-3-08

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>RRZ</i>	AA4	6,063,627	06/16/2000	McVey <i>et al.</i>	435	440	02/25/1998
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	AL						Yes
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	AM						Yes
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	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>RRZ</i>	AR	4	Argos, P., <i>et al.</i> , "The integrase family of site-specific recombinases: regional similarities and global diversity," <i>EMBO J.</i> 5(2):433-440 (1986).
	AS	4	Atlung, T., <i>et al.</i>, "A versatile method for integration of genes and gene fusions into the λ attachment site of <i>Escherichia coli</i>," <i>Gene</i> 107:11-17 (1991).
	AT	4	Ausubel, F.M., <i>et al.</i>, "Maps of Plasmids pBR322 and pUC19," in <i>Current Protocols in Molecular Biology</i>, John Wiley & Sons, Inc., Boston, MA, (1995).

EXAMINER

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	5	Ausubel, F.M., <i>et al.</i> , "Mutagenesis by the Polymerase Chain reaction," in: <i>Current Protocols in Molecular Biology</i> , Boston: John Wiley & Sons, Inc., pp. 8.5.1-8.5.9 (1995).
AA2	AS	5	Babineau, D. <i>et al.</i> , "The FLP Protein of the 2-micro Plasmid of Yeast," <i>J. Biol. Chem.</i> 260:12313-12391 (1985).
AA2	AT	5	Balakrishnan, R., <i>et al.</i> , "A gene cassette for adapting <i>Escherichia coli</i> strains as hosts for att-Int-mediated rearrangement and p_L expression vectors," <i>Gene</i> 138:101-104 (January 1994).

EXAMINER <i>Gerald R. Huff</i>	DATE CONSIDERED 11-3-00
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	AL						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AAZ	AR	6	Bayley, C.C., <i>et al.</i> , "Exchange of gene activity in transgenic plants catalyzed by the Cre-lox site specific recombination system," <i>Plant Mol. Biol.</i> 18:353-361 (1992).
AAZ	AS	6	Bethke, B., and Saur, B., "Segmental genomic replacement by Cre-mediated recombination: genotoxic stress activation of the p53 promoter in single-copy transformants," <i>Nucl. Acids Res.</i> 25:2828-2834 (July 1997).
AAZ	AT	6	Bernard, P., and Couturier, M., "Cell Killing by the F plasmid Ccldb Protein Involves Poisoning of DNA-topoisomerase II Complexes," <i>J. Mol. Biol.</i> 226:735-745 (1992).

EXAMINER

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11-3-00

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	APPLICANT Gerard <i>et al.</i>		
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	AL						Yes
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	AM						Yes
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	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AAZ	AR	Z	Bernard, P., "Positive Selection of Recombinant DNA by CcdB," <i>BioTechniques</i> 21:320-323 (1996).
AAZ	AS	Z	Betz, U. A. K., <i>et al.</i> , "Bypass of lethality with mosaic mice generated by Cre-loxP-mediated recombination," <i>Curr. Biol.</i> 6:1307-1316 (1996).
AAZ	AT	Z	Bhandari, P and Gowrishankar, J., "An <i>Escherichia coli</i> host strain useful for efficient overproduction of cloned gene products with NaCl as the inducer," <i>J. Bacteriol</i> 179:4403-4406 (July 1997).
EXAMINER	Gerald D. H. 11/3/00		DATE CONSIDERED

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

770	AR	8	Black, L.W., "In vitro packaging into phage T4 particles and specific recircularization of phage lambda DNAs," <i>Gene</i> 46:97-101 (1986).
772	AS	8	Bloch, C.A., et al., "Purification of <i>Escherichia coli</i> Chromosomal Segments without Cloning," <i>Biochem. Biophys. Res. Comm.</i> 223:104-111 (1996).
772	AT	8	Bochner, B. R., et al., "Positive Selection for Loss of Tetracycline Resistance," <i>J. Bacteriol.</i> 143:926-933 (1980).

EXAMINER

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	2	Boyd, A. C., "Turbo cloning: a fast, efficient method for cloning PCR products and other blunt-ended DNA fragments into plasmids," <i>Nucl. Acids Res.</i> 21(4):817-821 (1993).
AA2	AS	2	Broach, J. R., <i>et al.</i> , "Recombination within the Yeast Plasmid 2 μ Circle is Site-Specific," <i>Cell</i> 29:227-234 (1982).
AA2	AT	2	Brunelli, J. P. and Pall, M. L., "A Series of Yeast/ <i>Escherichia coli</i> λ Expression Vectors Designed for Directional Cloning of cDNAs and <i>cre/lox</i> -Mediated Plasmid Excision," <i>Yeast</i> 9:1309-1318 (1993).

EXAMINER

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	10	Brunelli, J.P., and Pall, M.L., "Lambda/Plasmid Vector Construction by <i>In Vivo cre/lox</i> -Mediated Recombination," <i>BioTechniques</i> 16(6):1061-1064 (1994).
AS	10	Bubeck, P., <i>et al.</i> , "Rapid cloning by homologous recombination <i>in vivo</i> ," <i>Nucl. Acids Res.</i> 21:3601-3602 (1993).
AT	10	Buchholz, F., <i>et al.</i> , "A simple assay to determine the functionality of Cre or FLP recombination targets in genomic manipulation constructs," <i>Nucl. Acids Res.</i> 24(15):3118-3119 (1996).

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AA2	AR	11	Buchholz, F., <i>et al.</i> , "Different thermostabilities of FLP and Cre recombinases: implications for applied site-specific recombination," <i>Nucl. Acids Res.</i> 24(21):4256-4262 (1996).
AA2	AS	11	Bushman, W., <i>et al.</i> , "Control of Directionality in Lambda Site Specific Recombination," <i>Science</i> 230:906-911 (1985).
AA2	AT	11	Campbell, A. M., "Chromosomal Insertion Sites for Phages and Plasmids," <i>J. Bacteriol.</i> 174(23):7495-7499 (1992).

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AR	12	Chapin, S.J. <i>et al.</i> , "Differential expression of alternatively spliced forms of MAP4: a repertoire of structurally different microtubule-binding domains," <i>Biochem.</i> 34:2289-2301 (1995).
AS	12	Chatterjee, P.K., and Coren, J.S., "Isolating large nested deletions in bacterial and P1 artificial chromosomes by <i>in vivo</i> P1 packaging of products of Cre-catalysed recombination between the endogenous and a transposed <i>loxP</i> site," <i>Nucl. Acids Res.</i> 25:2205-2212 (June 1997).
AT	12	Craig, N.L. and Nash, H.A., "The mechanism of phage lambda site-specific recombination: site-specific breakage of DNA by Int topoisomerase," <i>Cell</i> 35:795-803 (1983).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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	AO						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AA2	AR	13	Cox, M.M., "The FLP protein of the yeast 2- μ m plasmid: Expression of a eukaryotic genetic recombination system in <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 80:4223-4227 (1983).
AA2	AS	13	Dale, E. C. and Ow, D. W., "Intra- and intermolecular site-specific recombination in plant cells mediated by bacteriophage P1 recombinase," <i>Gene</i> 91:79-85 (1990).
AA2	AT	13	Dale, E. C. and Ow, D. W., "Gene transfer with subsequent removal of the selection gene from the host genome," <i>Proc. Natl. Acad. Sci. USA</i> 88:10558-10562 (1991).

EXAMINER	<i>Donald R. [Signature]</i>	DATE CONSIDERED	11-3-00
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.			

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	14	Dang, D. T. and Perrimon, N., "Use of a Yeast Site-Specific Recombinase to Generate Embryonic Mosaics in <i>Drosophila</i> ," <i>Develop. Genetics</i> 13:367-375 (1992).
AS	14	Degryse, E., "In vivo intermolecular recombination in <i>Escherichia coli</i> : application to plasmid constructions," <i>Gene</i> 170:45-50 (1996).
AT	14	Devine, S. E., and Boeke, J.D., "Efficient integration of artificial transposons into plasmid targets <i>in vitro</i> : a useful tool for DNA mapping, sequencing and genetic analysis," <i>Nucl. Acids Res.</i> 22(18):3765-3772 (1994).

EXAMINER

DATE CONSIDERED

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AA2	AR	<u>15</u>	Diederich, L., et al., "New Cloning Vectors for Integration into the λ Attachment Site <i>attB</i> of the <i>Escherichia coli</i> Chromosome," <i>Plasmid</i> 28:14-24 (1992)
AA2	AS	<u>15</u>	Dymecki, S. M., "A modular set of <i>Flp</i> , <i>FRT</i> and <i>lacZ</i> fusion vectors for manipulating genes by site-specific recombination," <i>Gene</i> 171:197-201 (1996).
AA2	AT	<u>15</u>	Elledge, S. J., et al., " λ YES: A multifunctional cDNA expression vector for the isolation of genes by complementation of yeast and <i>Escherichia coli</i> mutations," <i>Proc. Natl. Acad. Sci. USA</i> 88:1731-1735 (1991).

DATE CONSIDERED

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AA2	AR	16	Feil, R., <i>et al.</i> , "Regulation of Cre Recombinase Activity by Mutated Estrogen Receptor Ligand-Binding Domains," <i>Biochem. Biophys. Res. Comm.</i> 237:752-757 (August 1997).
AA2	AS	16	Ferguson, J., <i>et al.</i> , "Construction and characterization of three yeast- <i>Escherichia coli</i> shuttle vectors designed for rapid subcloning of yeast genes on small DNA fragments," <i>Gene</i> 16:191-197 (1981).
AA2	AT	16	Filutowicz, M., <i>et al.</i> , "Purification of the <i>Escherichia coli</i> integration host factor (IHF) in one chromatographic step," <i>Gene</i> 147:149-150 (1994).

EXAMINER

DATE CONSIDERED

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

772	AR	17	Fiering, S., <i>et al.</i> , "An 'in-out' strategy using gene targeting and FLP recombinase for the functional dissection of complex DNA regulatory elements: Analysis of the β -globin locus control region," <i>Proc. Natl. Acad. Sci. USA</i> 90:8469-8473 (1993).
772	AS	17	Francia, M.V., <i>et al.</i> , "Gene Integration in the <i>Escherichia coli</i> Chromosome Mediated by Tn21 Integrase (Int21)," <i>J. Bacteriol.</i> 178:894-898 (1996).
772	AT	17	Fukushige, S. and Sauer, B., "Genomic targeting with a positive-selection <i>lox</i> integration vector allows highly reproducible gene expression in mammalian cells," <i>Proc. Natl. Acad. Sci. USA</i> 89:7905-7909 (1992).

EXAMINER

DATE CONSIDERED

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AR	18	Geoffroy, F., <i>et al.</i> , "A new phage display system to construct multicombinatorial libraries of very large antibody repertoires," <i>Gene</i> 151:109-113 (1994).
AS	18	Glasgow, A.C., <i>et al.</i> , "DNA-binding Properties of the Hin Recombinase," <i>J. Biol. Chem.</i> 264:10072-10082 (1989).
AT	18	Golic, K. G. and Lindquist, S., "The FLP Recombinase of Yeast Catalyzes Site-Specific Recombination in the Drosophila Genome," <i>Cell</i> 59:499-509 (1989).

EXAMINER

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AR	19	Gu, H., <i>et al.</i> , "Deletion of a DNA polymerase beta gene segment in T cells using cell type-specific gene targeting," <i>Science</i> 265:103-106 (1994).
AS	19	Guo, F., <i>et al.</i> , "Asymmetric DNA bending in the Cre-loxP site-specific recombination synapse," <i>Proc. Natl. Acad. Sci. USA</i> 96:7143-7148 (June 1999).
AT	19	Hardy, S., <i>et al.</i> , "Construction of Adenovirus Vectors through Cre-lox Recombination," <i>J. Virol.</i> 71(3):1842-1849 (March 1997).

EXAMINER

DATE CONSIDERED

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

772	AR	20	Hasan, N., and Szybalski, W., "Control of cloned gene expression by promoter inversion in vivo: construction of improved vectors with a multiple cloning site and the p_{tac} promoter," <i>Gene</i> 56:145-151 (1987).
772	AS	20	Hasan, N., <i>et al.</i> , "Escherichia coli genome targeting, I. Cre-lox-mediated in vitro generation of <i>ori</i> plasmids and their in vivo chromosomal integration and retrieval," <i>Gene</i> 150:51-56 (1994).
772	AT	20	Hashimoto-Gotoh, T., <i>et al.</i> , "Improved vector, pHS664, for direct streptomycin-resistance selection: cDNA cloning with G:C-tailing procedure and subcloning of double-digested DNA fragments," <i>Gene</i> 41:125-128 (1986).

EXAMINER

DATE CONSIDERED

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AR	21	Hoekstra, M. F., <i>et al.</i> , "Shuttle Mutagenesis: Bacterial Transposons for Genetic Manipulations in Yeast," <i>Meth. Enzymol.</i> 194:329-342 (1991).
AS	21	Hoess, R.H., <i>et al.</i> , "P1 site-specific recombination: Nucleotide sequence of the recombining sites," <i>Proc. Natl. Acad. Sci. USA</i> 79:3398-3402 (1982).
AT	21	Hoess, R.H., <i>et al.</i> , "Mechanism of Strand Cleavage and Exchange in the Cre-lox Site-specific Recombination System," <i>J. Mol. Biol.</i> 181:351-362 (1985).

EXAMINER

DATE CONSIDERED

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	22	Hoess, R., et al., "Formation of small circular DNA molecules via an in vitro site-specific recombination system," <i>Gene</i> 40:325-329 (1985).
AS	22	Hoess, R. H., et al., "The role of the <i>loxP</i> spacer region in P1 site-specific recombination," <i>Nucl. Acids Res.</i> 14(5):2287-2300 (1986).
AT	22	Hoess, R. H., and Abremski, K., "The Cre- <i>lox</i> Recombination System," in: <i>Nucleic Acids and Molecular Biology</i> . Vol. 4, ed. by Eckstein, F. and D. M. J. Lilley, Springer-Verlag, Berlin, pp. 99-109 (1990).

EXAMINER

DATE CONSIDERED

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AAZ	AR	23	Holt, C.L., and May, G.S., "A novel phage λ replacement Cre-lox vector that has automatic subcloning capabilities," <i>Gene</i> 133:95-97 (1993).
AAZ	AS	23	Hoogenboom, H.R., <i>et al.</i> , "Multi-subunit proteins on the surface of filamentous phage: methodologies for displaying antibody (Fab) heavy and light chains," <i>Nucl. Acids Res.</i> 19:4133-4137 (1991).
AAZ	AT	23	Jaffé, A., <i>et al.</i> , "Effects of the <i>ccd</i> Function of the F Plasmid on Bacterial Growth," <i>J. Bacteriol.</i> 163:841-849 (1985).

EXAMINER

DATE CONSIDERED

11-3-00

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AA2	AR	24	Kanaar, R., <i>et al.</i> , "Gin-Mediated Recombination of Catenated and Knotted DNA Substrates: Implications for the Mechanism of Interaction Between <i>Cis</i> -Acting Sites," <i>Cell</i> 58:147-159 (1989).
	AS	24	Kilby, N. J., <i>et al.</i> , "Site-specific recombinases: tools for genome engineering," <i>Trends in Genetics</i> 9:413-421 (1993).
AA2	AT	24	Kim, <i>et al.</i> , "Lambda Int protein between higher complexes at two distant chromosomal loci attL and attR," <i>Science</i> 256:198-263 (1992).

EXAMINER

DATE CONSIDERED

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AA2	AR	25	Kozak, M., "Comparison of initiation of protein synthesis in procaryotes, eucaryotes, and organelles," <i>Microbiol. Rev.</i> 47:1-45 (1983).
AA2	AS	25	Kozak, M., "An analysis of 5'-noncoding sequences from 699 vertebrate messenger RNAs," <i>Nucl. Acids Res.</i> 15:8125-8132 (1987).
AA2	AT	25	Kozak, M., "Structural features in eukaryotic mRNAs that modulate the initiation of translation," <i>J. Biol. Chem.</i> 266:19867-19870 (1991).

EXAMINER

DATE CONSIDERED

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	AP						Yes
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AR	26	Kühn, R., <i>et al.</i> , "Inducible Gene Targeting in Mice," <i>Science</i> 269:1427-1429 (1995).
AS	26	Lafontaine, D., and Tollervey, D., "One-step PCR mediated strategy for the construction of conditionally expressed and epitope tagged yeast proteins," <i>Nucl. Acids Res.</i> 24:2469-2472 (1996).
AT	26	Lakso, M., <i>et al.</i> , "Targeted oncogene activation by site-specific recombination in transgenic mice," <i>Proc. Natl. Acad. Sci. USA</i> 89:6232-6236 (1992).

EXAMINER

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AA2	AR	27	Lander, E.S., "The New Genomics: Global Views of Biology," <i>Science</i> 274:536-539 (1996).
AA2	AS	27	Landy, A., "Mechanistic and structural complexity in the site-specific recombination pathways of Int and FLP," <i>Curr. Opin. Genet. Develop.</i> 3:699-707 (1993).
AA2	AT	27	Landy, A., "Dynamic, Structural, and Regulatory Aspects of λ Site-Specific Recombination," <i>Annu. Rev. Biochem.</i> 58:913-949 (1989).

EXAMINER

DATE CONSIDERED

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	28	Lebreton, B., <i>et al.</i> , "Mutations That Improve the Binding of Yeast FLP Recombinase to Its Substrate," <i>Genetics</i> 118:393-400 (1988).
AS	28	Lee, E. C., <i>et al.</i> , "Genetic Analysis of <i>Escherichia coli</i> Integration Host Factor Interactions with Its Bacteriophage λ H' Recognition Site," <i>J. Bacteriol.</i> 173:609-617 (1991).
AT	28	Leong, J.M., <i>et al.</i> , "Generation of single base-pair deletions, insertions, and substitutions by a site-specific recombination system," <i>Proc. Natl. Acad. Sci. USA</i> 82:6990-6994 (1985).

EXAMINER

DATE CONSIDERED

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	29	Liu, Q., <i>et al.</i> , "The univector plasmid-fusion system, a method for rapid construction o recombinant DNA without restriction enzymes," <i>Curr. Biol.</i> 8:1300-1309 (December 1998).
AS	29	Lorbach, E. <i>et al.</i> , "Site-specific Recombination in Human Cells Catalyzed by Phage λ Integrase Mutants," <i>J. Mol. Biol.</i> 296:1175-1181 (March 2000).
AT	29	Luckow, V. A., <i>et al.</i> , "Efficient Generation of Infectious Recombinant Baculoviruses by Site-Specific Transposon-Mediated Insertion of Foreign Genes into a Baculovirus Genome Propagated in <i>Escherichia coli</i> ," <i>J. Virol.</i> 67(8):4566-4579 (1993).

EXAMINER

DATE CONSIDERED

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	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	30	Maeser, S., and Kahmann, R., "The Gin recombinase of phage Mu can catalyze site-specific recombination in plant protoplasts," <i>Mol. Gen. Genet.</i> 230:170-176 (1991).
AS	30	Mahillon, J., <i>et al.</i> , "IS231 and other <i>Bacillus thuringiensis</i> transposable elements: a review," <i>Genetica</i> 93:13-26 (1994).
AT	30	Matsuzaki, H., <i>et al.</i> , "Chromosome Engineering in <i>Saccharomyces cerevisiae</i> by Using a Site-Specific Recombination System of a Yeast Plasmid," <i>J. Bacteriol.</i> 172:610-618 (1990).

EXAMINER

DATE CONSIDERED

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AA2	AR	31	McCarthy, J.E. and Brimacombe, R., "Prokaryotic translation: the interactive pathway leading to initiation," <i>Trends Genet</i> 10:402-407 (1994).
AA2	AS	31	Medberry, S.L., <i>et al.</i> , "Intra-chromosomal rearrangements generated by Cre-lox site-specific recombination," <i>Nucl. Acids Res.</i> 23:485-490 (1995).
AA2	AT	31	Miki, T. <i>et al.</i> , "Control of S of Chromosomal DNA by Sex Factor F in <i>Escherichia coli</i> . Mutants of DNA Gyrase Subunit A Suppress letD (ccdB) Product Growth Inhibition," <i>J. Mol. Biol.</i> 225:39-52 (1992).

EXAMINER

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AR	32	Mizuuchi, K. and Mizuuchi, K., "Integrative Recombination of Bacteriophage λ : In Vitro Study of the Intermolecular Reaction," <i>Cold Spring Harb. Symp. Quant. Biol.</i> 43:1111-1114 (1979).
AS	32	Mizuuchi, M. and Mizuuchi, K., "The extent of DNA sequence required for a functional bacterial attachment site of phage lambda," <i>Nucl. Acids Res.</i> 13:1193-1208 (1985).
AA2 AT	32	Mozo, T. and Hooykaas, P. J. J., "Design of a novel system for the construction of vectors for Agrobacterium-mediated plant transformation," <i>Mol. Gen. Genet</i> 236:1-7 (1992).

EXAMINER

DATE CONSIDERED

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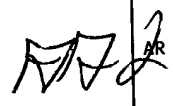
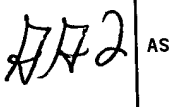
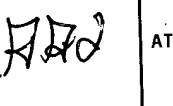
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	AR	33	Mullins, L.J., <i>et al.</i> , "Efficient Cre-lox linearisation of BACs: applications to physical mapping and generation of transgenic animals," <i>Nucl. Acids Res.</i> 25(12):2539-2540 (June 1997).
	AS	33	Nagaraja, R. and Weisberg, R. A., "Specificity Determinants in the Attachment Sites of Bacteriophages HK022 and λ ," <i>J. Bacteriol.</i> 172:6540-6550 (1990).
	AT	33	Nash, H.A., "Integrative Recombination of Bacteriophage Lambda DNA <i>In Vitro</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 72:1072-1076 (1975).

EXAMINER

DATE CONSIDERED

11-3-00

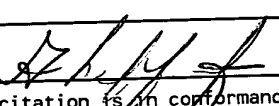
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	34	Nash, H.A., and Robertson, CA., "Purification and properties of the Escherichia coli protein factor required for lambda integrative recombination," <i>J. Biol. Chem.</i> 256:9246-9253 (1981).
AS	34	Nash, H. A., "Purification and Properties of the Bacteriophage Lambda Int Protein," <i>Meth. Enzymol.</i> 100:210-216 (1983).
AT	34	Nash, H. A., <i>et al.</i> , "Role of homology in site-specific recombination of bacteriophage λ : Evidence against joining of cohesive ends," <i>Proc. Natl. Acad. Sci. USA</i> 84:4049-4053 (1987).
EXAMINER		
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	35	Nash, H. and C.A. Robertson, "Heteroduplex substrates for bacteriophage lambda site-specific recombination: cleavage and strand transfer products," <i>EMBO J.</i> 8:3523-3533 (1989).
AAZ	AS	35	Nash, H.A., "Bending and supercoiling of DNA at the attachment site of bacteriophage lambda," <i>Trends Biochem. Sci</i> 15:222-227 (1990).
AAZ	AT	35	Numrych, T. E., et al., "A comparison of the effects of single-base and triple-base changes in the integrase arm-type binding sites on the site-specific recombination of bacteriophage lambda," <i>Nucl. Acids Res.</i> 18:3953-3959 (1990).

EXAMINER

DATE CONSIDERED

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	36	Numrych, T.E., <i>et al.</i> , "Characterization of the bacteriophage lambda excisionase (Xis) protein: the C-terminus is required for Xis-integrase cooperativity but not for DNA binding," <i>EMBO J.</i> 11(10):3797-3806 (1992).
AS	36	Nunes-Duby, S.E., <i>et al.</i> , "Half-att Site Substrates Reveal the Homology Independence and Minimal Protein Requirements for Productive Synapsis in λ Excisive Recombination," <i>Cell</i> 59:197-206 (1989).
AT	36	Nunes-Duby, <i>et al.</i> , "Similarities and differences among 105 members of the Int family of site-specific recombinases," <i>Nucl Acids Res.</i> 26:391-406 (January 1998).

EXAMINER

DATE CONSIDERED

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	37	Oberto, J., <i>et al.</i> , "A segment of the phage HK022 chromosome is a mosaic of other lambdoid chromosomes," <i>Nucl. Acids Res.</i> 22(3):354-356 (1994).
AS	37	Oliner, J.D., <i>et al.</i> , "In vivo cloning of PCR products in <i>E. coli</i> ," <i>Nucl. Acids Res.</i> 21:5192-5197 (1993).
AT	37	Orban, P. C., <i>et al.</i> , "Tissue- and site-specific DNA recombination in transgenic mice," <i>Proc. Natl. Acad. Sci. USA</i> 89:6861-6865 (1992).
EXAMINER		DATE CONSIDERED 11-3-00
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RR2	AR	38	Osborne, B.I., <i>et al.</i> , "A system for insertional mutagenesis and chromosomal rearrangement using the Ds transposon and Cre-lox," <i>Plant J.</i> 7:687-701 (1995).
	AS	38	Padgett, K. A. and Sorge, J. A., "Creating seamless junctions independent of restriction sites in PCR cloning," <i>Gene</i> 168:31-35 (1996).
RR2	AT	38	Palazzolo, M. J., <i>et al.</i> , "Phage lambda cDNA cloning vectors for subtractive hybridization, fusion-protein synthesis and Cre-loxP automatic plasmid subcloning," <i>Gene</i> 88:25-36 (1990).

EXAMINER

DATE CONSIDERED

11-3-00

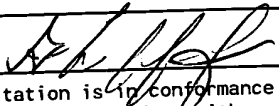
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AA2	AR	39	Pan, G., <i>et al.</i> , "Ligation of Synthetic Activated DNA Substrates by Site-specific Recombinases and Topoisomerase I," <i>J. Biol. Chem.</i> 268(5):3683-3689 (1993).
AA2	AS	39	Parks, R.J., and Graham, F.L., "A Helper-Dependent System for Adenovirus Vector Production Helps Define a Lower Limit for Efficient DNA Packaging," <i>J. Virol.</i> 71(4):3293-3298 (April 1997).
AA2	AT	39	Peakman, T. C., <i>et al.</i> , "Highly efficient generation of recombinant baculoviruses by enzymatically mediated site-specific <i>in vitro</i> recombination," <i>Nucl. Acids Res.</i> 20:495-500 (1992).
EXAMINER			DATE CONSIDERED 11-3-00
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AA2	AR	40	Peredelchuk, M.Y., and Bennett, G.N., "A method for construction of <i>E. coli</i> strains with multiple DNA insertions in the chromosome," <i>Gene</i> 187:231-238 (March 1997).
AA2	AS	40	Pichel, J. G., <i>et al.</i> , "Timing of SV40 oncogene activation by site-specific recombination determines subsequent tumor progression during murine lens development," <i>Gene</i> 8:3333-3342 (1993).
	AT	40	Pierce, J. C., <i>et al.</i> , "A positive selection vector for cloning high molecular weight DNA by the bacteriophage P1 system: Improved cloning efficacy," <i>Proc. Natl. Acad. Sci. USA</i> 89:2056-2060 (1992).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

DD2	AR	41	Podhajska, A. J., <i>et al.</i> , "Control of cloned gene expression by promoter inversion in vivo: construction of the heat-pulse-activated <i>att-nutL-p-att-N</i> module," <i>Gene</i> 40:163-168 (1985).
DD2	AS	41	Pósfai, G., <i>et al.</i> , "In vivo excision and amplification of large segments of the <i>Escherichia coli</i> genome," <i>Nucl. Acids Res.</i> 22(12):2392-2398 (1994).
DD2	AT	41	Prasad, P. V., <i>et al.</i> , "Substrate Recognition by the 2 μ m Circle Site-Specific Recombinase: Effect of Mutations within the Symmetry Elements of the Minimal Substrate," <i>Mol. Cell. Biol.</i> 6:4329-4334 (1986).

EXAMINER

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AA2	AR	42	Qian, X., <i>et al.</i> , "Reactions between Half- and Full-FLP Recombination Target Sites: A Model System for Analyzing Early Steps in FLP Protein-Mediated Site-Specific Recombination," <i>J. Biol. Chem</i> 267(11):7794-7805 (1992).
AA2	AS	42	Reed, R.R., "Transposon-Mediated Site-Specific Recombination: A Defined in Vitro System," <i>Cell</i> 25:713-719 (1981).
AA2	AT	42	Reed, R.R. and N.D. Grindley, "Transposon-Mediated Site-Specific Recombination in Vitro: DNA Cleavage and Protein-DNA Linkage at the Recombination Site," <i>Cell</i> 25:721-728 (1981).

EXAMINER

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AA2	AR	43	Richet, E., <i>et al.</i> , "The Interaction of Recombination Proteins with Supercoiled DNA: Defining the Role of Supercoiling in Lambda Integrative Recombination," <i>Cell</i> 46:1011-1021 (1986).
AA2	AS	43	Richet, E., <i>et al.</i> , "Synopsis of Attachment Sites during Lambda Integrative Recombination Involves Capture of a Naked DNA by a Protein-DNA Complex," <i>Cell</i> 52:9-17 (1988).
AA2	AT	43	Sadowski, P., "Site-Specific Recombinases: Changing Partners and Doing the Twist," <i>J. Bacteriol.</i> 165(2):341-347 (1986).

EXAMINER

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AR	44	Sadowski, PD, "The Flp recombinase of the 2-microns plasmid of <i>Saccharomyces cerevisiae</i> ," <i>Prog. Nucl. Acid Res. Mol. Biol.</i> 51:53-91 (1995).
AS	44	Sauer, B., <i>et al.</i> , "Site-specific insertion of DNA into a pseudorabies virus vector," <i>Proc. Natl. Acad. Sci. USA</i> 84:9108-9112 (1987).
AT	44	Sauer, B., "Functional Expression of the <i>cre-lox</i> Site-Specific Recombination System in the Yeast <i>Saccharomyces cerevisiae</i> ," <i>Mol. Cell. Biol.</i> 7:2087-2096 (1987).

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AR	45	Sauer, B. and Henderson, N., "The cyclization of linear DNA in <i>Escherichia coli</i> by site-specific recombination," <i>Gene</i> 70:331-341 (1988).
AS	45	Sauer, B. and Henderson, N., "Cre-stimulated recombination at <i>loxP</i> -containing DNA sequences placed into the mammalian genome," <i>Nucl. Acids Res.</i> 17:147-161 (1989).
AT	45	Sauer, B., "Manipulation of Transgenes by Site-Specific Recombination: Use of Cre Recombinase," <i>Meth. Enzymol.</i> 225:890-900 (1993).

EXAMINER

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AR	46	Sauer, B., "Site-specific recombination: developments and applications," <i>Curr. Op. Biotechnol.</i> 5:521-527 (1994).
AS	46	Sauer, B., "Multiplex Cre/lox recombination permits selective site-specific DNA targeting to both a natural and an engineered site in the yeast genome," <i>Nucl. Acids Res.</i> 24(23):4608-4613 (1996).
AT	46	Sauer, B., "Inducible gene targeting in mice using the Cre/lox system," <i>Methods</i> 14:381-392 (April 1998).

EXAMINER

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	AP						Yes
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	AR	47	Schindelhauer, D., and Cooke, H.J., "Efficient combination of large DNA <i>in vitro</i> : in gel site specific recombination (IGSSR) of PAC fragments containing α satellite DNA and the human HPRT gene locus," <i>Nucl. Acids Res.</i> 25(11):2241-2243 (June 1997).
772	AS	47	Schlake, T., and Bode, J., "Use of Mutated FLP Recognition Target (FRT) Sites for the Exchange of Expression Cassettes at Defined Chromosomal Loci," <i>Biochemistry</i> 33:12746-12751 (1994).
772	AT	47	Segall, A. M. and Nash, H. A., "Synaptic intermediates in bacteriophage lambda site-specific recombination: integrase can align pairs of attachment sites," <i>EMBO J.</i> 12:4567-4576 (1993).

EXAMINER

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AA2	AR	48	Segall, A.M., and Nash, H.A., "Architectural flexibility in lambda site-specific recombination: three alternate conformations channel the attL site into three distinct pathways," <i>Genes to Cells</i> 1:453-463 (1996).
AA2	AS	48	Senecoff, J.F., <i>et al.</i> , "DNA Recognition by the FLP Recombinase of the Yeast 2 μ Plasmid - A Mutational Analysis of the FLP Binding Site," <i>J. Mol. Biol.</i> 201:405-421 (1988).
AA2	AT	48	Sheffield, P. <i>et al.</i> , "Overcoming expression and purification problems of RhoGD1 using a family of "parallel" expression vectors," <i>Protein Expr. Purific.</i> 15:34-39 (February 1999).

EXAMINER

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AR	49	Shuman, S., "Recombination mediated by vaccinia virus DNA topoisomerase I in <i>Escherichia coli</i> is sequence specific," <i>Proc. Natl. Acad. Sci. USA</i> 88:10104-10108 (1991).
AS	49	Sizemore, C., <i>et al.</i> , "Quantitative analysis of Tn10 Tet repressor binding to a complete set of <i>tet</i> operator mutants," <i>Nucl. Acids Res.</i> 18(10):2875-2880 (1990).
AT	49	Smith, A. J. H., <i>et al.</i> , "A site-directed chromosomal translocation induced in embryonic stem cells by Cre- <i>loxP</i> recombination," <i>Nat. Gen.</i> 9:376-385 (1995).

EXAMINER

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	AO						Yes
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	AP						Yes
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AR	50	Snaith, M.R., <i>et al.</i> , "Multiple cloning sites carrying <i>loxP</i> and <i>FRT</i> recognition sites for the Cre and FLP site-specific recombinases," <i>Gene</i> 166:173-174 (1995).
AS	50	Spengler, S.J., <i>et al.</i> , "The Stereostructure of Knots and Catenanes Produced by Phage λ Integrative Recombination: Implications for Mechanism and DNA Structure," <i>Cell</i> 42:325-334 (1985).
AT	50	Sternberg, N., <i>et al.</i> , "Site-specific Recombination and Its Role in the Life Cycle of Bacteriophage P1," <i>Cold Spring Harbor Symp. Quant. Biol.</i> 45:297-309 (1981).

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AR	51	Sternberg, N., <i>et al.</i> , "Bacteriophage P1 <i>cre</i> Gene and its Regulatory Region," <i>J. Mol. Biol.</i> 187:197-212 (1986).
AS	51	Sternberg, N., "Bacteriophage P1 cloning system for the isolation, amplification, and recovery of DNA fragments as large as 100 kilobase pairs," <i>Proc. Natl. Acad. Sci. USA</i> 87:103-107 (1990).
AT	51	Storck, T., <i>et al.</i> , "Rapid construction in yeast of complex targeting vectors for gene manipulation in the mouse," <i>Nucl. Acids Res.</i> 24:4594-4596 (1996).

EXAMINER

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	AP						Yes No

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AR	52	Strathmann, M., <i>et al.</i> , "Transposon-facilitated DNA sequencing," <i>Proc. Natl. Acad. Sci. USA</i> 88:1247-1250 (1991).
AS	52	Thompson, J.F., <i>et al.</i> , "Mutations in an Integration Host Factor-Binding Site: Effect on Lambda Site-Specific Recombination and Regulatory Implications," <i>J. Bacteriol.</i> 168:1343-1351 (1986).
AT	52	Thompson, J.F., <i>et al.</i> , "Helical-repeat dependence of integrative recombination of bacteriophage λ : Role of the P1 and H1 protein binding sites," <i>Proc. Natl. Acad. Sci. USA</i> 85:6323-6327 (1988).

EXAMINER

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AR	53	Thorpe, H.M., and Smith, M.C.M., "In vitro site-specific integration of bacteriophage DNA catalyzed by a recombinase of the resolvase/invertase family," <i>Proc. Natl. Acad. Sci. USA</i> 95:5505-5510 (May 1998).
AS	53	Tsurushita, N., <i>et al.</i> , "Phage display vectors for in vivo recombination of immunoglobulin heavy and light chain genes to make large combinatorial libraries," <i>Gene</i> 172:59-63 (1996).
AT	53	Vanin, E.F., <i>et al.</i> , "Development of High-Titer Retroviral Producer Cell Lines by Using Cre-Mediated Recombination," <i>J. Virol.</i> 71:7820-7826 (October 1997).

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AR	54	Waterhouse, P., <i>et al.</i> , "Combinatorial infection and <i>in vivo</i> recombination: a strategy for making large phage antibody repertoires," <i>Nucl. Acids Res.</i> 21(9):2265-2266 (1993).
AS	54	Wang, G., <i>et al.</i> , "pDUAL: A transposon-based cosmid cloning vector for generating nested deletions and DNA sequencing templates <i>in vivo</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 90:7874-7878 (1993).
AT	54	Wasserman, S.A., <i>et al.</i> , "The helical repeat of double-stranded DNA varies as a function of catenation and supercoiling," <i>Nature</i> 334:448-450 (1988).

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ARJ	AR	55	Wierzbicki, A., <i>et al.</i> , "A Mutational Analysis of the Bacteriophage P1 Recombinase Cre," <i>J. Mol. Biol.</i> 195:785-794 (1987).
ARJ	AS	55	Weisberg, R. A., and Landy, A., "Site-specific Recombination in Phage Lambda," in: "Lambda II," Hendrix, R. W. <i>et al.</i> , eds., Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N. Y., pp. 211-250 (1983).
ARJ	AT	55	Wild, J., <i>et al.</i> , "A broad-host-range in vivo pop-out and amplification system for generating large quantities of 50- to 100-kb genomic fragments for direct DNA sequencing," <i>Gene</i> 179:181-188 (1996).

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	AM						Yes No
	AN						Yes No
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AAZ	AR	56	Wild, J., <i>et al.</i> , "Targeting and retrofitting pre-existing libraries of transposon insertions with <i>FRT</i> and <i>oriV</i> elements for in-vivo generation of large quantities of any genomic fragment," <i>Gene</i> 223:55-66 (November 1998).
AAZ	AS	56	Winoto, A., <i>et al.</i> , "Directional Control of Site-specific Recombination by Bacteriophage λ ," <i>J. Mol. Biol.</i> 192:677-680 (1986).
AAZ	AT	56	Yang, W., and Mizuuchi, K., "Site-specific recombination in plane view," <i>Structure</i> 5:1401-1406 (November 1997).

EXAMINER

DATE CONSIDERED

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.4640001	APPLICATION NO. 09/438,358
	APPLICANT Gerard <i>et al.</i>	
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	AP						Yes
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AR	57	Yanisch-Perron, C., <i>et al.</i> , "Improved M13 phage cloning vectors and host strains: nucleotide sequences of the M13mp18 and pUC19 vectors," <i>Gene</i> 33:103-119 (1985).
AS	57	Yoon, Y.G., <i>et al.</i> , "Cre/loxP-mediated in vivo excision of large segments from yeast genome and their amplification based on the 2 μ m plasmid-derived system," <i>Gene</i> 223:67-76 (November 1998).
AT	57	York, D., <i>et al.</i> , "Simple and efficient generation <i>in vitro</i> of nested deletions and inversions: Tn5 intramolecular transposition," <i>Nucl. Acids Res.</i> 26:1927-1933 (April 1998).
EXAMINER		DATE CONSIDERED 11-3-00
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BR2	AR	58	Zhang, Y. <i>et al.</i> , "A new logic for DNA engineering using recombination in <i>Escherichia coli</i> ," <i>Nat. Genet.</i> 20:123-128 (October 1998).
BR2	AS	58	Zhu, <i>et al.</i> , "Homology requirements for ligation and strand exchange by the FLP recombinase," <i>J. Biol. Chem.</i> 270:11646-11653 (1995).
	AT	58	Bruckner, R.C. and Cox, M.M., "The histone-like H protein of <i>Escherichia coli</i> is ribosomal protein S3," <i>Nucl. Acids Res.</i> 17:3145-3161 (1989).

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772	AR	59	Gage, P.J., <i>et al.</i> , "A Cell-Free Recombination System for Site-Specific Integration of Multigenic Shuttle Plasmids into Herpes Simplex Type 1 Genome," <i>J. Virol.</i> 66:5509-5515 (1992).
	AS	59	Götz, F., <i>et al.</i> , "Esheria coli 30S mutants lacking protein S20 are defective in translation initiation," <i>Biochim. Biophys. Acta</i> 1050:93-97 (1990).
	AT	59	Green, R. and Noller, H.F., "Ribosomes and Translation," <i>Ann. Rev. Biochem.</i> 66:679-716 (July 1997).

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AR	60	Jeong, J.-H., <i>et al.</i> , "Cloning and nucleotide sequencing of the genes, <i>rplU</i> and <i>rplA</i> , for ribosomal proteins L21 and L27 of <i>Escherichia coli</i> ," <i>J. DNA sequencing and Mapping</i> 4:59-67 (1993).
AS	60	Kitts, P.A. and Nash, H.A., "Bacteriophage Lambda Site-Specific Recombination Proceeds with a Defined Order of Strand Exchanges," <i>J. Mol. Biol.</i> 204:95-107 (1988).
AT	60	Lake, J.A., "Evolving Ribosome Structure: Domains in Archaeobacteria, Eubacteria, Eocytes and Eukaryotes," <i>Ann. Rev. Biochem.</i> 64:507-530 (1985).

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AR	61	Mackie, G.A., "Nucleotide Sequence of the Gene for Ribosomal Protein S20 and Its Flanking Regions," <i>J. Biol. Chem.</i> 256:8477-8482 (1981).
AS	61	Nomura, M., <i>et al.</i> , "Regulation of the Synthesis of Ribosomes and Ribosomal Components," <i>Ann. Rev. Biochem.</i> 53:75-117 (1984).
AT	61	Segall, A.M., <i>et al.</i> , "Architectural elements in nucleoprotein complexes: interchangeability of specific and non-specific DNA binding proteins," <i>EMBO J.</i> 13:4536-4548 (1994).

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AR 62 Wittman, H.G., "Components of Bacterial Ribosomes," *Ann. Rev. Biochem.* 51:155-183 (1982).

AS 62 Wittmann, H.G., "Architecture of Prokaryotic Ribosomes," *Ann. Rev. Biochem.* 52:35-65 (1983).

AT 62

EXAMINER

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